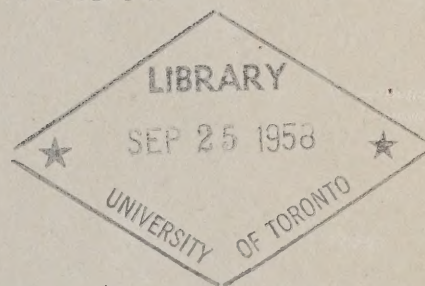


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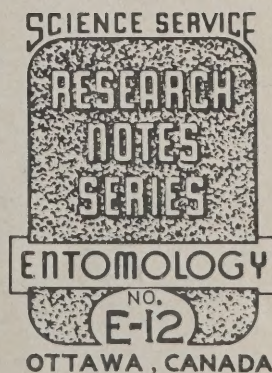
CANADA DEPARTMENT OF AGRICULTURE
SCIENCE SERVICE
ENTOMOLOGY DIVISION

LIST OF INSECTS AND MITES AFFECTING
TREE FRUITS IN CANADA




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INTRODUCTION

This list of insects and mites affecting tree fruits in Canada indicates the provinces in which the various species have been found since the laboratories concerned were established.

"x" indicates the province or provinces in which the insect or mite has been reported by officers of fruit insect laboratories of the Entomology Division as having, at least on occasion, caused appreciable damage.

"#" indicates the province or provinces in which the species has been recorded but not as a pest, mainly for the following reasons: the host is either not grown or is grown in small numbers only; the population of the species is restricted by natural control factors; the species occurs entirely or mainly on wild hosts.

Under each host the pests are arranged alphabetically by genera or group common names, first the insects and then the mites. As mites have not been studied nearly as widely as insects in Canada, this part of the record is probably less adequately covered. However, the principal pest species of each host are listed.

We gratefully acknowledge the co-operation of officers of the Entomology Division engaged in fruit insect work, especially Mr. W. A. Ross, head of the Fruit Insect Unit until his recent retirement, and the officers in charge of the various laboratories. The information that they supplied provided a basis which, supplemented by data from the Canadian Insect Pest Record, made this compilation possible.

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Acrobasis</u> (prev. <u>Mineola</u>) <u>indigenella</u> (Zell.) leaf crumpler								x		
<u>A. tricolorella</u> Grt. a pyralid	x									
<u>Acrosternum hilare</u> (Say) green stink bug					x					
<u>Alsophila pometaria</u> (Harr.) fall cankerworm		#	x	x	x	x	x	x	x	
<u>Ametastegia glabrata</u> (Fall.) dock sawfly	#	#			x			x	#	
<u>Amorbia humerosana</u> Clem. dusky leaf roller					x					
<u>Amphicerus bicaudatus</u> (Say) apple twig borer	#			#	x					
<u>A. hamatus</u> (F.) a bostrichid				x						
<u>Anchylopera nubeculana</u> Clem. a leaf sewer					#		#	x		
<u>Anthophila pariana</u> (Clerck) apple and thorn skeletonizer	x				x	#	x	x	x	
<u>Anuraphis bakeri</u> (Cowen) clover aphid	x				#			x		
<u>A. roseus</u> Baker rosy apple aphid	x				x	x	#	x	x	
<u>Aphis pomi</u> DeG. "green" apple aphid	x			#	x	x	x	x	x	
<u>Archips argyrospilus</u> (Wlk.) fruit tree leaf roller	x	#			x	x	x	x		

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>A. cerasivoranus</u> (Fitch) ugly-nest caterpillar	#	#	#	#	#	#	x	#	#	
<u>A. fractivittanus</u> (Clem.) a leaf roller					x					
<u>A. persicanus</u> (Fitch) white-triangle leaf roller					x	#	x	x		
<u>A. purpuranus</u> (Clem.) a leaf roller					x	x		#		
<u>A. rosaceanus</u> (Harr.) oblique-banded leaf roller	x	#	#	#	x	#	x	x		
<u>A. rosanus</u> (L.) European leaf roller	x°				#		#	#		
<u>A. semiferanus</u> (Wlk.) a boxelder leaf roller				#	x	#				
<u>Argyresthia conjugella</u> Zell. apple fruit moth	x									
<u>Argyrotaenia mariana</u> (Fern.) gray-banded leaf roller					#	#	x	x	x	
<u>A. quadrifasciana</u> (Fern.) a four-lined leaf roller					x			#		
<u>A. velutinana</u> (Wlk.) red-banded leaf roller					x	x		x		
<u>Aspidiotus ostreaeformis</u> Curt. European fruit scale	x				x	#		x	#	
<u>A. perniciosus</u> Comst. San Jose scale	x				x	x		#		

° Vancouver Island only.

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Badebecia urticana</u> (Hbn.) (= <u>Olethreutes campestrana</u> Zell.) a leaf roller	x									
<u>Basilarchia lorquini</u> (Bdv.) a nymphalid	x									
<u>Biston</u> (prev. <u>Amphidasis</u>) <u>cognataria</u> (Guen.) pepper and salt moth			x					#		
<u>Brachyrhinus singularis</u> (L.) a clay-colored weevil	x°				#	#	#	#		
<u>Bucculatrix pomifoliella</u> Clem. a ribbed cocoon maker					x	#		x		
<u>Callisto</u> (prev. <u>Ornix</u>) <u>geminatella</u> (Pack.) a tentiform leaf miner					x					
<u>Campylomma verbasci</u> (Mey.) a mullein leaf bug					x			x		
<u>Carpocapsa pomonella</u> (L.) codling moth	x				x	x	x	x	x	
<u>Cercopeus artemisiae</u> Pierce a weevil	x									
<u>Chalcoides helxines</u> (L.) a flea beetle					x	#				
<u>Chionaspis furfura</u> (Fitch) scurfy scale	#°			x	x	x		x		
<u>Chrysobothris femorata</u> (Oliv.) flatheaded apple tree borer	#				x	x				

° Vancouver Island only.

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
Cicadas, various species	x				#	#	x	#		
<u>Coleophora anatipennella</u> (Hbn.) (= <u>C. atlantica</u> Heinr.) a casebearer								x		
<u>C. malivorella</u> Riley pistol casebearer	x ^{oo}				x	x	x	#	x	
<u>C. serratella</u> (L.) (= <u>C. cerasivorella</u> Pack. = <u>C. occidentis</u> Zell.) cigar casebearer	x				x	x	x	x	x	
<u>C. pruniella</u> Clem. cherry casebearer	x		#	#	#	x		x		
<u>Colladonus</u> (prev. <u>Thamnotettix</u>) <u>montanus</u> (Van D.) a leafhopper	x									
<u>Conotrachelus nenuphar</u> (Hbst.) plum curculio	#		#	#	x	x	x	#	x	
Cutworms, various species					x					
<u>Cyphoderris monstrosa</u> Uhl. a cricket	x									
<u>Datana ministra</u> (Drury) yellow-necked caterpillar	x			x	x	x	x	x	x	
<u>Deuteronomos magnarius</u> (Gn.) a geometrid		x	x							
<u>Dichomeris ligulella</u> Hbn. palmerworm				x	x					

^{oo} Coastal area only.

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Diplotaxis tenebrosa</u> Fall a scarabaeid	x									
<u>Edwardsiana australis</u> (Frogg.) (= <u>Typhlocyba frogatti</u> Baker) an apple leafhopper					x					
<u>E. rosae</u> (L.) rose leafhopper	x				x		x	x	#	
<u>Empoasca fabae</u> (Harr.) potato leafhopper	#	#	#	x	x	#	x	#	#	x
<u>E. maligna</u> (Walsh) apple leafhopper	x			x	x	x	x	x	x	
<u>Empoasca</u> spp. leafhoppers						x	x			x
<u>Epicallima dimidiella</u> Wlshm. a gray apple bark caterpillar	x									
<u>Erannis vancouverensis</u> Hbst. a geometrid	x									
<u>Eriosoma lanigerum</u> (Hausm.) woolly apple aphid	x	#		x	x	x		x		
<u>Estigmene acrea</u> (Drury) salt-marsh caterpillar	x				#					
<u>Euzophera semifuneralis</u> (Wlk.) American plum borer					x					
<u>Forficula auricularia</u> L. European earwig	x ^{oo}	#		#	#	#		#		x

^{oo} Coastal area only.

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Frankliniella occidentalis</u> (Perg.) a western thrips	x	#								
<u>Frankliniella</u> sp. thrips	x									
<u>Glossonotus crataegi</u> (Fitch) quince treehopper								x		
<u>Glyposcelis pubescens</u> (F.) a chrysomelid	x									
<u>Grapholitha molesta</u> (Busck) oriental fruit moth					x					
<u>G. prunivora</u> (Walsh) lesser appleworm	x			x	x	#	#	x		
Grasshoppers, various species	x									
<u>Hedia chionosema</u> Zell. a leaf roller					x					
<u>H. ochroleucana</u> (Hbn.) (= <u>Argyroplote nimbatana</u> Clem.) an olethreutid	x									
<u>H. variegana</u> (Hbn.) green budworm								x	#	
<u>Heterocordylus malinus</u> Reut. a plant bug					x					
<u>Hoplocampa testudinea</u> (Klug) European apple sawfly	x°	#								
<u>Hyphantria cunea</u> (Drury) fall webworm	x	#		x	x	x	x	x	x	

° Vancouver Island only.

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Idiocerus fitchi</u> Van D. a leafhopper					x					
<u>Incisalia iroides</u> (Bdv.) a lycaenid	x									
<u>Lecanium corni</u> Bouché European fruit lecanium	x ^{oo}				x		x	x		
<u>Lecanium</u> spp. soft scales	x									
<u>Lepidosaphes ulmi</u> (L.) oystershell scale	x	#		#	x	x	x	x	x	
<u>Liocoris</u> (= <u>Lygus</u>) <u>lineolaris</u> tarnished plant bug (Beauv.)	x	#	#	#	x	x	x	x	x	x
<u>Liocoris</u> spp. "lygus" bugs	x									x
<u>Liriomyza pusilla</u> (Meig.) serpentine leaf miner					x					
<u>Lithocolletis crataegella</u> Clem. a tentiform leaf miner					x			#		
<u>L. malimalifoliella</u> Braun a leaf miner								x		
<u>Lithocolletis</u> spp. leaf miners					x	x				
<u>Lithophane</u> (prev. <u>Graptolitha</u>) <u>antennata</u> (Wlk.) green fruitworm	x ^{oo}				x	#	#	x		

^{oo} Coastal area only.

PESTS OF APPLE

Insect	B.C.	Alta.	Sask.	Man.	Ont.	Que.	N.B.	N.S.	P.E.I.	Nfld.
<u>L. bethunei</u> (G. & R.) a fruitworm						#	#	x	x	
<u>L. disposita</u> Morr.								#		
<u>L. ferrealis</u> Grt.					#	#		x		
<u>L. georgii</u> Grt.	#		x				#	x		
<u>L. pexata</u> Grt.					..			#		
<u>L. torrida</u> (Sm.)	x									
<u>L. unimoda</u> (Lint.)					#	#		x		
<u>Lithophane</u> spp. fruitworms	#				#	x	x	#		
<u>Lygidea mendax</u> Reut. apple red bug					x			x		
<u>Lygus</u> (<u>Neolygus</u>) <u>communis</u> Kngt. pear plant bug					x					
<u>L. communis novascotiensis</u> Kngt. a green apple bug							x	x		
<u>Lyonetia speculella</u> Clem. a leaf miner	x									
<u>Macroductylus subspinosus</u> (F.) rose chafer					x	x				
<u>Magdalis aenescens</u> Lec. bronze apple tree weevil	x									
<u>Malacosoma americanum</u> (F.) eastern tent caterpillar	#	x	#	x	x	x	x	x	x	

[illegible]

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Orgyia</u> (prev. <u>Notolophus</u>) <u>antiqua</u> (L.) rusty tussock moth	#	#	#	#	#	#	x	x	x	
<u>O.</u> (prev. <u>Hemerocampa</u>) <u>leucostigma</u> (J. E. Smith) white-marked tussock moth	#		#	x	x	#	x	#	x	x
<u>Ormensis pruinosa</u> (Say) a fulgorid					x					
<u>Orsodacne atra</u> (Ahr.) (a chrysomelid)		x								
<u>O. atra childreni</u> Kby.		x								
<u>Orthosia hibisci</u> (Gn.) a noctuid			x							
<u>Paleacrita vernata</u> (Peck) spring cankerworm			#	x	x	x	#	#	x	
<u>Pandemis canadana</u> Kft. a leaf roller					#		x			
<u>P. limitata</u> (Rob.) a three-lined leaf roller					x	x		x		
<u>Parorgyia</u> (prev. <u>Olene</u>) <u>vagans</u> (B. & McD.) a tussock moth	#				#			x		
<u>Peritrechus saskatchewanensis</u> Barb. a lygaeid			x							
<u>Peronea maximana</u> Busck an apple shoot moth	x									
<u>Phenacoccus aceris</u> (Sign.) apple mealybug	x			x			x	x	x	

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Phyllophaga tristis</u> (F.) a June beetle	x									
<u>Poecilopsis rachelae</u> Hlst. a geometrid			x							
<u>Polyphylla perversa</u> Csy. a white grub	x									
<u>Psylla mali</u> (Schmdb.) apple sucker						x	x	x		
<u>Recurvaria nanella</u> (Hbn.) lesser bud moth	x							x		
<u>Rhabdopterus picipes</u> (Oliv.) cranberry rootworm					x					
<u>Rhagoletis pomonella</u> (Walsh) apple maggot				#	x	x	x	x	x	
<u>Rhopalosiphum fitchii</u> complex (= <u>R. prunifoliae</u> Fitch (in part)) apple grain aphid	#				x	x	#	x	x	
<u>Rhynchaenus pallicornis</u> (Say) apple flea weevil					x					
<u>Saperda bipunctata</u> Hopping an apple tree borer				x						
<u>S. candida</u> F. roundheaded apple tree borer					x	x	x	x	x	
<u>Schizura concinna</u> (J. E. Smith) red-humped caterpillar	x		x	x	x	x	x	x	x	
<u>S. unicornis</u> (J. E. Smith) unicorn caterpillar	x				#					
<u>Scolytus rugulosus</u> (Ratz.) shot-hole borer					x	#	x	x		

PESTS OF APPLE

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>S. sulcatus</u> Lec. larger shot-hole borer					x	x				
<u>Spaelotis clandestina</u> (Harr.) w-marked cutworm						x				
<u>Sphinx perelegans</u> Hy. Edw. a sphingid	x									
<u>Spilonota ocellana</u> (D. & S.) eye-spotted bud moth	x				x	x	x	x	x	
<u>Stictocephala basalis</u> (Walk.) a treehopper	x							x		
<u>S. bubalus</u> (F.) buffalo treehopper	x			#	x	x	x	x	x	
<u>Stictocephala</u> spp. treehoppers	x					x				
<u>S. taurina</u> (Harris) a treehopper								x		
<u>Strymon melinus</u> (Hbn.) cotton square borer, a gray hairstreak	x									
<u>Syneta albida</u> Lec. a fruit tree leaf beetle	x									
<u>Tachypterellus quadrigibbus</u> (Say) # apple curculio			x	#	x	x				
<u>Taedia</u> (prev. <u>Palacalocoris</u>) <u>colon</u> (Say) a plant bug					x					
<u>Thamnosphencia scitula</u> (Harr.) dogwood borer					x					
<u>Tischeria malifoliella</u> Clem. apple leaf trumpet miner					x	x		#		

[illegible]

PESTS OF APPLE

Mite	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Metatetranychus ulmi</u> (Koch) European red mite	x				x	x	x	x	x	
<u>Tetranychus canadensis</u> (McG.) four-spotted spider mite					x	x				
<u>T. mcdanieli</u> McG. a spider mite	x			x						
<u>T. pacificus</u> McG. Pacific mite	x	#	#	x	#	#	#	#		
<u>T. telarius</u> (L.) (and/or <u>T. bimaculatus</u> Harvey) two-spotted spider mite	x	#		#	x	x	#	x	x	
<u>Tetranychus urticae</u> (Koch) a spider mite	x									
<u>Vasates schlectendali</u> (Nal.) apple rust mite	x				x			x		

PESTS OF APRICOT

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Acrosternum hilare</u> (Say) green stink bug					x					
<u>Anarsia lineatella</u> Zell. peach twig borer	x				#					
<u>Anuraphis cardui</u> (L.) thistle aphid	x				#					
<u>A. persicae-niger</u> (Smith) black peach aphid	#				x					
<u>Archips argyrospilus</u> (Wlk.) fruit tree leaf roller	x	#				#				
<u>A. rosaceanus</u> (Harr.) oblique-banded leaf roller	x	#	#	#	#	#	#	#		
<u>Argyrotaenia citrana</u> (Fern.) orange tortrix	x									
<u>A. quadrifasciana</u> (Fern.) a four-lined leaf roller					x			#		
<u>Aspidiotus perniciosus</u> Comst. San Jose scale	x				x	#		#		
<u>Carpocapsa pomonella</u> (L.) codling moth	x				x	#	#	#	#	
<u>Conotrachelus nenuphar</u> (Hbst.) plum curculio	#		#	x	x	#	#	#		
Cutworms, various species	x	#	#	#	#	#	#	#	#	x
<u>Datana ministra</u> (Drury) yellow-necked caterpillar	x			#	#	#	#	#		
<u>Diplotaxis tenebrosa</u> Fall a scarabaeid	x									
<u>Euzophera semifuneralis</u> (Wlk.) American plum borer					x					

PESTS OF APRICOT

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Grapholitha molesta</u> (Busck) oriental fruit moth					x					
Grasshoppers, various species	x	#	#	#	#	#	#	#	#	x
<u>Hyalopterus pruni</u> (Geof.) (= <u>H. arundinis</u> (F.)) mealy plum aphid	x			#	#	#				
<u>Lecanium</u> spp. soft scales	x									
<u>Lepidosaphes ulmi</u> (L.) oystershell scale	x	#			#	#	#	#	#	
<u>Liocoris</u> (= <u>Lygus</u>) <u>lineolaris</u> (Beauv.) tarnished plant bug	x	#	#	#	x	#	#	#	#	x
<u>Macrodactylus subspinosus</u> (F.) rose chafer					x	#				
<u>Myzus persicae</u> (Sulz.) green peach aphid	x	#		#	#	#	#	#	#	x
<u>Phloeotribus liminaris</u> (Harr.) peach bark beetle					x					
<u>Pulvinaria</u> spp. soft scales	x									
<u>Sanninoidea exitiosa exitiosa</u> (Say) peach tree borer	x			#	x	#	#			
<u>Schizura concinna</u> (J. E. Smith) red-humped caterpillar	x		#	#	#	#	#	#		
<u>Scolytus rugulosus</u> (Ratz.) shot-hole borer					x	#		#		
<u>Spilonota ocellana</u> (D. & S.) eye-spotted bud moth	x				#	#	#	#	#	

PESTS OF APRICOT

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Stictocephala bubalus</u> (F.) buffalo treehopper	x			#		#		#		
<u>Synanthedon pictipes</u> (G. & R.) lesser peach tree borer					x					
<u>Mite</u>										
<u>Bryobia arborea</u> M. and A. (<u>B. praetiosa</u> of authors, in part) brown mite	x	#	#	#	#	#	#	#		
<u>Metatetranychus ulmi</u> (Koch) European red mite	#				x	#	#	#	#	
<u>Tetranychus telarius</u> (L.) (and/or <u>T. bimaculatus</u> Harvey) two-spotted spider mite	x	#		#	x	#	#	#	#	

PESTS OF CHERRY (INCLUDING WILD CHERRY)

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Alsophila pometaria</u> (Harr.) fall cankerworm		#	#	x	x	#	x	#	x	
<u>Anthonomus scutellaris</u> Lec. plum gouger				x						
<u>Anthophila pariana</u> (Clerck) apple & thorn skeletonizer	x				#	#	x	#		
<u>Aphis cerasifoliae</u> Fitch chokecherry aphid	#		#			#	#			
<u>Archips argyrospilus</u> (Wlk.) fruit tree leaf roller	x	#			#	#				
<u>A. cerasivoranus</u> (Fitch) ugly-nest caterpillar	x	#	#	#	#	#	x	x	#	
<u>A. rosaceanus</u> (Harr.) oblique-banded leaf roller	x	#	#	#	#	#	#	#		
<u>Aspidiotus ostreaeformis</u> Curt. European fruit scale	x				#	#			#	
<u>A. perniciosus</u> Comst. San Jose scale	x				x	#		#		
<u>Brachyrhinus ovatus</u> (L.) strawberry root weevil	x	#	#	#	#	#	#	#	#	
<u>Caliroa cerasi</u> (L.) pear-slug	x	#		x	x		x	x	x	x
<u>Carpocapsa pomonella</u> (L.) codling moth	x				x	#	#	#	#	
Cicadas, various species	x				#	#	#	#		
<u>Coleophora pruniella</u> Clem. cherry casebearer	x			#	#	#		#		
<u>Conotrachelus nenuphar</u> (Hbst.) plum curculio	#		#	#	x	#	x	x	x	

PESTS OF CHERRY (INCLUDING WILD CHERRY)

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Contarinia virginianae</u> Felt a chokecherry midge		x	x	x	#	#				
<u>Corythucha padi</u> Drake a chokecherry lace bug	x									
<u>C. pallipes</u> Parsh. a birch lace bug			x			#	#			
<u>C. pergandei</u> Heid. a lace bug			x							
Cutworms, various species	x	#	#	#	#	#	#	#	#	x
<u>Datana ministra</u> (Drury) yellow-necked caterpillar	x				#	#	x	x	x	
<u>Edwardsiana</u> (prev. <u>Typhlocyba</u>) <u>prunicola</u> (Edw.) a leafhopper					x					
<u>E. rosae</u> (L.) rose leafhopper	x				x		#	#	#	
<u>Empoasca maligna</u> (Walsh) apple leafhopper	x			#	#		#	#	x	
<u>Epicnaptera americana</u> Harr. a lasiocampid				x	#	#				
<u>Estigmene acrea</u> (Drury) salt-marsh caterpillar		#	x	#	#	#	#	#	#	
<u>Erythroneura</u> spp. leafhoppers	x									
<u>Forficula auricularia</u> L. European earwig	x	#		#	#	#		#		x
<u>Frankliniella tritici</u> (Fitch) flower thrips		#	#	#	x					

PESTS OF CHERRY (INCLUDING WILD CHERRY)

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Grapholitha molesta</u> (Busck) (oriental fruit moth)					x					
<u>G. packardi</u> (Zell.) cherry fruitworm	x				x					
<u>G. prunivora</u> (Walsh) lesser appleworm	#			#	x	#	#	#		
Grasshoppers, various species	x	#	#	#	#	#	#	#	#	#
<u>Haploa lecontei</u> (Guer.)				x						
<u>Hyphantria cunea</u> (Drury) fall webworm	x	#	x	x	#	#	#	x	x	
Leafrollers, various species					x					x
<u>Lecanium</u> sp. a soft scale	x									
<u>Lepidosaphes ulmi</u> (L.) oystershell scale	x	#			#	#	x	#	x	
<u>Malacosoma americanum</u> (F.) eastern tent caterpillar	#	x	x	x	#	#	x	x	x	
<u>M. disstria</u> Hbn. forest tent caterpillar	x	#	x	x	#	#	x	x	x	
<u>M. lutescens</u> (N. & D.) prairie tent caterpillar		x	x	x						
<u>M. pluviale</u> (Dyar) western tent caterpillar	x	x	x	#	#	#				
<u>Malacosoma</u> spp. tent caterpillars	x				x					
<u>Myzus cerasi</u> (F.) black cherry aphid	x		#		x	#		x		

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PESTS OF CHERRY (INCLUDING WILD CHERRY)

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Taeniothrips inconsequens</u> (Uzel) pear thrips	x				#			#		
<u>Typhlocyba pomaria</u> McA. white apple leafhopper	x				#	#		#	#	
<u>Xyleborus</u> (prev. <u>Anisandrus</u>) <u>pyri</u> (Peck) a shot-hole borer	x				#	#		#		
<u>Mite</u>										
<u>Bryobia arborea</u> M. and A. (<u>B. praetiosa</u> of authors, in part) brown mite	x	#	#	#	#	#	#	x		
<u>Diptacus gigantorhynchus</u> (Nal.) a big-beaked plum mite	x									
Eriophyids rust mites	x									
<u>Metatetranychus ulmi</u> (Koch) (European red mite)	x				x	#	#	x	x	
<u>Tetranychus pacificus</u> McG. Pacific mite	x	#	#	#	#	#	#			
<u>T. telarius</u> (L.)(and/or <u>T.</u> <u>bimaculatus</u> Harvey) two-spotted spider mite	x	#	x	#	#	#	#	#	x	

PESTS OF PEACH

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Acrosternum hilare</u> (Say) green stink bug					x					
<u>Anarsia lineatella</u> Zell. peach twig borer	x				x					
<u>Anuraphis persicae-niger</u> (Smith) black peach aphid	x				x					
<u>Archips rosaceanus</u> (Harr.) oblique-banded leaf roller	x	#	#	#	#	#	#	#		
<u>Argyrotaenia citrana</u> (Fern.) orange tortrix	x ^o									
<u>A. quadrifasciana</u> (Fern.) a four-lined leaf roller					x			#		
<u>A. velutinana</u> (Wlk.) red-banded leaf roller					x	#		#		
<u>Aspidiotus perniciosus</u> Comst. San Jose scale	#				x	#		#		
<u>Carpocapsa pomonella</u> (L.) codling moth	x				#	#	#	#	#	
<u>Cercopeus artemisiae</u> Pierce a weevil	x									
<u>Conotrachelus nenuphar</u> (Hbst.) plum curculio	#		#	#	x	#	#	x		
Cutworms, various species	x	#	#	#	#	#	#	#	#	x
<u>Cyphoderris monstrosa</u> Uhl. a cricket	x									

^o Vancouver Island only.

PESTS OF PEACH

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Euzophera semifuneralis</u> (Wlk.) American plum borer					x					
<u>Forficula auricularia</u> L. European earwig	x	#		#	#	#		#		x
<u>Grapholitha molesta</u> (Busck) oriental fruit moth					x					
Grasshoppers, various species	x	#	#	#	#	#	#	#	#	x
<u>Hyphantria cunea</u> (Drury) fall webworm	x	#	#	#	#	#	#	x	#	
<u>Lecanium corni</u> Bouché European fruit lecanium	x ^{oo}			#	x	#	#	x		
<u>L. coryli</u> L. a soft scale	x ^{oo}									
<u>Lecanium</u> spp. soft scales	x							#		
<u>Lepidosaphes ulmi</u> (L.) oystershell scale	x	#			#	#	#	#	#	
<u>Liocoris</u> (= <u>Lygus</u>) <u>lineolaris</u> (Beauv.) x tarnished plant bug		#	#	#	x	#	#	x	#	x
<u>Liocoris</u> spp. plant bugs	x	#	#	#	x	#	#	#	#	x
<u>Lygus</u> (<u>Neolygus</u>) <u>caryae</u> Kngt. hickory plant bug					x					
<u>L. (N.) omnivagus</u> Kngt. an oak plant bug					x					

^{oo} Coastal area only.

PESTS OF PEACH

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>L. (N.) quercalbae</u> Kngt. an oak plant bug					x					
<u>Macroductylus subspinosus</u> (F.) rose chafer					x	#				
<u>Macropsis trimaculata</u> (Fitch) plum leafhopper					x					
<u>Malacosoma americanum</u> (F.) eastern tent caterpillar	#	#	#	#	#	#	#	x	#	
<u>M. disstria</u> Hbn. forest tent caterpillar	x	#	#	#	#	#	#	x	#	
<u>Mimetes lanei</u> Van Dyke a weevil	x									
<u>Myzus persicae</u> (Sulz.) green peach aphid	x	#		#	x	#	#	#	#	x
<u>Oecanthus nigricornis nigricornis</u> Wik. black-horned tree cricket	#			#	x	#				
<u>O. niveus</u> (DeG.) snowy tree cricket	#	#	#	#	x					
<u>Panscopus aequalis</u> (Horn) a weevil	x									
<u>Phloeotribus liminaris</u> (Harr.) peach bark beetle					x					
<u>Polyphylla perversa</u> Csy. a white grub	x									
<u>Pulvinaria</u> sp. soft scale	x									
<u>P. innumerabilis</u> (Rathv.) (= <u>P. vitis</u> (L.) in part) cottony maple scale	#	#			x	#		#		#

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PESTS OF PEACH

Mites	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>T. telarius</u> (L.) (and/or <u>T. bimaculatus</u> Harvey) two-spotted spider mite	x	#		#	x	#	#	#	#	
<u>Vasates cornutus</u> (Banks) peach silver mite	x				x					

PESTS OF PEAR

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Acrosternum hilare</u> (Say) green stink bug					x					
<u>Anthophila pariana</u> (Clerck) apple and thorn skeletonizer	#				#	#	#	x		
<u>Aphis pomi</u> DeG. apple aphid	x			#	#	#	#	#	x	
<u>Archips argyrospilus</u> (Wlk.) fruit tree leaf roller	x	#			x	#		x		
<u>A. rosaceanus</u> (Harr.) oblique-banded leaf roller	x	#	#	#	x	#	#	#		
<u>Argyrotaenia mariana</u> (Fern.) gray-banded leaf roller					#	#		x	x	
<u>Aspidiotus ostreaeformis</u> Curt. European fruit scale	#				#	#		x	#	
<u>A. perniciosus</u> Comst. San Jose scale	x				x	#		#		
<u>Caliroa cerasi</u> (L.) pear-slug	x	#			x		#	x	x	x
<u>Carpocapsa pomonella</u> (L.) codling moth	x				x	#	#	x	x	
<u>Chionaspis furfura</u> (Fitch) scurfy scale	#			x	#			#		
<u>Coleophora pruniella</u> Clem. cherry casebearer	x			#	#	#		#		
<u>Conotrachelus nenuphar</u> (Hbst.) plum curculio	#		#	#	x	#	#	#		
Cutworms, various species	x	#	#	#	#	#	#	#	#	x
<u>Datana ministra</u> (Drury) yellow-necked caterpillar	x			#	#	#	#	x	x	

PESTS OF PEAR

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Eriosoma lanigerum</u> (Hausm.) woolly apple aphid	x	#		#	#	#	#	x		
<u>E. pyricola</u> Baker woolly pear aphid	x									
<u>Forficula auricularia</u> L. European earwig	x	#		#	#	#		#		x
<u>Grapholitha molesta</u> (Busck) oriental fruit moth					x					
Grasshoppers, various species	x	#	#	#	#	#	#	#	#	#
<u>Hyphantria cunea</u> (Drury) fall webworm	#	#			#	#	#	x		
<u>Lecanium corni</u> Bouché European fruit lecanium	x ^{oo}			#	#	#	#	x		
<u>L. coryli</u> L. a soft scale	x ^{oo}									
<u>Lecanium</u> spp. soft scales	x									
<u>Lepidosaphes ulmi</u> (L.) oystershell scale	x	#			#	#	#	x	x	
<u>Liocoris</u> (= <u>Lygus</u>) <u>lineolaris</u> (Beauv.) tarnished plant bug	x	#	#	#	x	#	#	#	x	x
<u>Liocoris</u> spp. plant bugs	#	#	#	#	#	#	#	#	#	x

^{oo} Coastal area only.

PESTS OF PEAR

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Lithophane</u> (prev. <u>Graptolitha</u>) <u>antennata</u> (Wlk.) green fruitworm	x				x	#	#	#		
<u>L. bethunei</u> (G. & R.) a fruitworm					#	#	#	x		
<u>Lygus</u> (<u>Neolygus</u>) <u>communis</u> <u>novascotiensis</u> Kngt. a green apple bug					#		#	x		
<u>Malacosoma</u> <u>disstria</u> Hbn. forest tent caterpillar	x	#	#	#	#	#	#	x	x	
<u>M. pluviale</u> (Dyar) western tent caterpillar	x	#		#	#	#				
<u>Orgyia</u> (prev. <u>Notolophus</u>) <u>antiqua</u> (L.) rusty tussock moth	#	#	#	#	#	#	#	x	x	x
<u>O.</u> (prev. <u>Hemerocampa</u>) <u>leucostigma</u> (J. E. Smith) white-marked tussock moth	#		#	#	#	#	#	x	x	x
<u>Phenacoccus</u> <u>aceris</u> (Sign.) apple mealybug	x						#	#		
<u>Polyphylla</u> <u>perversa</u> Csy. a white grub	x									
<u>Pristiphora</u> <u>californica</u> (Marl.) California pear-slug	x									
<u>Psylla</u> <u>pyricola</u> Foerst. pear psylla	x				x			x		
<u>Pulvinaria</u> sp. a soft scale	x									
<u>Schizura</u> <u>concinna</u> (J. E. Smith) red-humped caterpillar	x		#	#	#	#	#	x	x	

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PESTS OF PLUM

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Datana ministra</u> (Drury) yellow-necked caterpillar	x			#	#	#	#	#	x	x
<u>Edwardsiana rosae</u> (L.) rose leafhopper	x				#	#		#	#	
<u>Empoasca fabae</u> (Harr.) potato leafhopper	#	#	#	#	x	#	#	#	#	x
<u>Epicauta fabricii</u> (Lec.) ash-gray blister beetle	#	#	#	x	#					
<u>Euzophera semifuneralis</u> (Wlk.) American plum borer					x					
<u>Frankliniella tritici</u> (Fitch) flower thrips		#	#	#	x					
<u>Galerucella decora</u> (Say) western willow leaf beetle	#	#	x	#	#					
<u>Grapholitha prunivora</u> (Walsh) lesser appleworm	x			#	#	#	#	#		
Grasshoppers, various species	x	#	#	#	#	#	#	#	#	x
<u>Hyalopterus pruni</u> (Geof.) (= <u>H. arundinis</u> (F.)) mealy plum aphid	x			x	x	#		x		
<u>Hyphantria cunea</u> (Drury) fall webworm	#	#	x		x	#	#	#	#	
<u>Hysteroneura setariae</u> (Thos.) rusty plum aphid				x						
<u>Lecanium corni</u> Bouché European fruit lecanium	x ^{oo}			#	x	#	#	x		

^{oo} Coastal area only.

PESTS OF PLUM

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>L. coryli</u> L. a soft scale	x									
<u>Lecanium</u> spp. soft scales	x			#				#		
<u>Lepidosaphes ulmi</u> (L.) oystershell scale	x	#			x	#	x	x	x	
<u>Limonijs discoideus</u> Lec. a wireworm	x									
<u>Lithophane</u> (prev. <u>Graptolitha</u>) <u>antennata</u> (Wlk.) green fruitworm	#				x	#	#	#		
<u>Macropsis trimaculata</u> (Fitch) plum leafhopper					x			x		
<u>Malacosoma americanum</u> (F.) eastern tent caterpillar	#	#	#	#	#	#	#	x	x	
<u>M. disstria</u> Hbn. forest tent caterpillar	x	x	x	x	#	#	#	x	x	
<u>M. lutescens</u> (N. & D.) prairie tent caterpillar		x	x	#						
<u>Malacosoma</u> spp. tent caterpillars	x	#	#	#	x	#	#	#	#	#
<u>Myzus persicae</u> (Sulz.) green peach aphid	#	#		#	#	#	#	#	#	x
<u>Orgyia</u> (prev. <u>Hemerocampa</u>) <u>leucostigma</u> (J. E. Smith) white-marked tussock moth	#		#	x	#	#	#	#	#	
<u>Paleacrita vernata</u> (Peck) spring cankerworm			#	#	x	#	#	#		
<u>Phenacoccus aceris</u> (Sign.) apple mealybug	x						#	x		

PESTS OF PLUM

Insect	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Phorodon humuli</u> (Schr.) hop aphid	x				#	#	#	x		
<u>Polyphylla perversa</u> Csy. a white grub	x									
<u>Pseudococcus comstocki</u> (Kuw.) Comstock mealybug					x					
<u>Pulvinaria</u> sp. a soft scale	x									
<u>Sanninoidea exitiosa exitiosa</u> (Say) peach tree borer	x			#	x	#	#			
<u>Schizura concinna</u> (J. E. Smith) red-humped caterpillar	x		x	#	#	#	#	x	x	
<u>Scolytus rugulosus</u> (Ratz.) shot-hole borer					x	#		x		
<u>Spilonota ocellana</u> (D. & S.) eye-spotted bud moth	x				x	#	#	x	x	
<u>Stictocephala bubalus</u> (F.) buffalo treehopper	x			#	x	#		x		
<u>Swammerdamia caesiella</u> Hbn. (a yponomeutid)					x					
<u>Synanthedon pictipes</u> (G. & R.) lesser peach tree borer				x						
<u>Taeniothrips inconsequens</u> (Uzel) pear thrips	x									
<u>Typhlocyba pomaria</u> McA. white apple leafhopper	x				#			#		
<u>Xyleborus</u> (prev. <u>Anisandrus</u>) <u>pyri</u> (Peck) a shot-hole borer	x				#	#		#		

PESTS OF PLUM

Mite	B. C.	Alta.	Sask.	Man.	Ont.	Que.	N. B.	N. S.	P. E. I.	Nfld.
<u>Bryobia arborea</u> M. and A. (<u>B. praetiosa</u> of authors, in part) brown mite	x	#	#	#	#	#	#	x		
<u>Diptacus gigantorhynchus</u> (Nal.) a big-beaked plum mite	x				x					
Eriophyids rust mites	x									
<u>Metatetranychus ulmi</u> (Koch) European red mite	x				x	#	#	x	x	
<u>Phyllocoptes abaenus</u> Koch a rust mite	x									
<u>Tetranychus pacificus</u> McG. Pacific mite	x	#	#	#	#	#	#	#	#	
<u>T. telarius</u> (L.) (and/or <u>T. bimaculatus</u> Harvey) two-spotted spider mite	x	x		#	#	#	#	#	x	
<u>T. urticae</u> (Koch) a spider mite	x									
<u>Vasates fockeui</u> (Nal. & Trt.) a rust mite	x				x					
<u>V. schlectendali</u> (Nal.) apple rust mite	x							#		

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